

# Yan Naing Aung

[Email](#) [LinkedIn](#) [GitHub](#) San Francisco, CA

## PROFESSIONAL SUMMARY

Yan is a data scientist and economist with over three years of relevant experience in data science and finance. He has completed over five data science projects leveraging machine learning algorithms to draw causal inference and build classification models using Python programming language.

## EDUCATION

University of San Francisco, San Francisco, CA

August 2024 - June 2025

Master of Science (MS): Data Science

- *Relevant Coursework:* Computation for Data Science (Python), Linear Regression, Relational Database Management (Snowflake), Exploratory Data Analysis (EDA), Data Acquisition (Unix)

University of San Francisco, San Francisco, CA

August 2022 - May 2024

Master of Science (MS): Applied Economics

- *Honors:* Full-Time MSAE Merit Scholarship
- *Relevant Coursework:* Experiments and Causal Inference (A/B Testing), Econometrics (Causal Inference), Predictive Analytics, Machine Learning (Modeling), Microeconomics for Digitized Economy (Game Theory)

University of California, Davis, Davis, CA

September 2017 - December 2020

Bachelor of Science (BS): Managerial Economics (Business Economics); Minor: Technology Management

## PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant

January 2023 – May 2024

University of San Francisco

San Francisco, CA

- Served as the teaching assistant for Introduction to Microeconomics and Macroeconomics courses working 20 hours per week.
- Developed course materials to measure **60 students'** understanding of economic data and trends.
- Reviewed and assessed the progress of over **60 students** through **100+ graded problem sets** per semester.

Staff Accountant

February 2022 – July 2022

Opendoor

San Francisco, CA

- Performed monthly bank reconciliation for multiple treasury accounts consisting of over **\$100 million**.
- Prepared journal entries for over **20 business accounts** and reconciled accounts via NetSuite during monthly closing.
- Collaborated with the cross-functional teams in analyzing and reporting variances to managers, helping improve closing time by **15%**.

Accountant

April 2021 – December 2021

Protiviti

Los Angeles, CA

- Managed and accurately distributed over **\$200 million** in relief funds, ensuring regulatory compliance and timely assistance for applicants.
- Streamlined payment calculations for variable monthly amounts using Excel functions, contributing to processing over **5,000 applications**.
- Collaborated with interdepartmental teams to rectify accounting discrepancies across a cloud-based platform.

## PROJECTS

Causal Inference, San Francisco, CA

October 2023 – May 2024

- Conducted comprehensive statistical analysis using Python on the performance data from users using linear regression to evaluate the impact of a paid premium app feature on improvement of a metric using multiple Python data science libraries.
- Implemented advanced data preprocessing techniques, including KNN Imputation, to effectively handle missing values, **preserving 40%** of the dataset.
- Utilized Difference-in-Difference model to draw causal relationship and controlled for selection bias using propensity score matching method via logistic regression resulting in an increase in **model accuracy by 10%**.

Classification Models Imbalanced Data, San Francisco, CA

January 2023 – May 2023

- Utilized Python packages such as Pandas, NumPy, Pyplot and Scikit-learn packages to clean, visualize, analyze, and train ML models.
- Implemented data preprocessing methods to split (train/test), balance, and scale the dataset.
- Refined the dataset to exclude outliers and refit best performing models with the best hyperparameters.
- Achieved **F1 Score of 83.1** on the best performing model via hyperparameter tuning with GridSearchCV.

## VOLUNTEERING

St Jude's Children Research Hospital, Davis, CA

September 2018 – December 2019

- Planned, led, and facilitated committee meetings, as well as created and circulated agendas to committee leaders.
- Administered all event committee's business and policies, including managing a budget of \$2,000.
- Fundraised over \$10,000 through week-long campus wide philanthropy events.

## CERTIFICATION & SKILLS

*Certificates & Licenses:* SQL for Data Science (UC Davis), Data Analysis Proficiency Badge (University of San Francisco)

*Technical Skills:* Python, Unix, SQL, Snowflake, Tableau, R, Stata, Qualtrics, FloQast, Mode Analytics, NetSuite

*Language Skills:* English (Native), Burmese (Native)